

10117000 HAMMOND (EAST SIDE) CANAL NEAR COLLINSTON, UT

LOCATION.--Lat 41°49'51", long 112°03'24", in SE¹/₄ sec. 27, T. 13 N., R. 2 W., Box Elder County, Hydrologic Unit 16010204, on right bank 3,600 ft downstream from Cutler Dam and 4 mi north of Collinston.

PERIOD OF RECORD.--June 1912 to current year. Prior to 1915, published as Hammond Ditch near Collinston. Monthly discharge only for some periods, published in WSP 1314.

GAGE.--Water-stage recorder. Prior to May 22, 1914, nonrecording gage at same site and datum.

REMARKS.--Records fair. Canal diverts from east side of Bear River at Cutler Dam for irrigation of about 58,000 acres below station in eastern Box Elder County.

COOPERATION.--Records collected by Utah Power & Light Co.

AVERAGE DISCHARGE.--83 years (water years 1913-81, 1983-96), 52.5 ft³/s, 38,040 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 184 ft³/s June 29, 1963, May 2, 1977; no flow at times in each year.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	89	.00	.00	.00	.00	.00	.00	90	157	178	157	147
2	87	.00	.00	.00	.00	.00	.00	91	160	177	158	146
3	88	.00	.00	.00	.00	.00	.00	91	164	179	158	146
4	90	.00	.00	.00	.00	.00	.00	92	165	179	147	133
5	90	.00	.00	.00	.00	.00	.00	118	165	180	138	120
6	90	.00	.00	.00	.00	.00	.00	146	166	180	138	120
7	90	.00	.00	.00	.00	.00	.00	148	171	174	139	120
8	90	.00	.00	.00	.00	.00	.00	148	172	167	139	120
9	90	.00	.00	.00	.00	.00	.00	150	174	167	138	121
10	90	.00	.00	.00	.00	.00	.00	154	176	167	138	121
11	90	.00	.00	.00	.00	.00	.00	160	163	168	138	121
12	90	.00	.00	.00	.00	.00	.00	166	130	151	137	122
13	88	.00	.00	.00	.00	.00	.00	170	136	135	140	122
14	89	.00	.00	.00	.00	.00	.00	180	132	136	139	121
15	85	.00	.00	.00	.00	.00	.00	189	132	137	137	119
16	85	.00	.00	.00	.00	.00	.00	193	132	138	136	108
17	84	.00	.00	.00	.00	.00	.00	193	137	138	137	102
18	85	.00	.00	.00	.00	.00	.00	194	145	150	137	103
19	84	.00	.00	.00	.00	.00	.00	190	150	163	140	104
20	84	.00	.00	.00	.00	.00	.00	188	150	157	141	104
21	78	.00	.00	.00	.00	.00	.00	187	154	151	140	103
22	58	.00	.00	.00	.00	.00	.00	187	158	150	140	103
23	39	.00	.00	.00	.00	.00	.00	189	160	150	140	104
24	30	.00	.00	.00	.00	.00	.00	167	164	148	140	103
25	23	.00	.00	.00	.00	.00	.00	134	174	154	139	104
26	8.2	.00	.00	.00	.00	.00	.00	122	176	158	140	103
27	8.2	.00	.00	.00	.00	.00	.00	134	178	158	140	103
28	8.2	.00	.00	.00	.00	.00	66	132	178	159	144	103
29	8.1	.00	.00	.00	---	.00	98	132	178	157	152	98
30	8.1	.00	.00	.00	---	.00	92	133	177	154	149	93
31	8.3	---	.00	.00	---	.00	---	139	---	158	144	---
TOTAL	2035.1	0.00	0.00	0.00	0.00	0.00	256.00	4707	4774	4918	4400	3437
MEAN	65.6	.000	.000	.000	.000	.000	8.53	152	159	159	142	115
MAX	90	.00	.00	.00	.00	.00	98	194	178	180	158	147
MIN	8.1	.00	.00	.00	.00	.00	.00	90	130	135	136	93
AC-FT	4040	.00	.00	.00	.00	.00	508	9340	9470	9750	8730	6820
CAL YR 1996	TOTAL 25042.10		MEAN 68.4	MAX 178	MIN .00	AC-FT 49670						
WTR YR 1997	TOTAL 24527.10		MEAN 67.2	MAX 194	MIN .00	AC-FT 48650						